

CLAIMS

1. A fence, comprising:

- a first plurality of posts;
- a first rail system supported by the first plurality of posts so as to form a barrier between each adjacent pair of the first plurality of posts, the first rail system having a longitudinal internal recess formed therein and a first end and an opposed second end; and
- a first rail cable assembly comprising:
 - a first cable having a first end and opposed second end, the first cable extending within at least a portion of the internal recess of the first rail system;
 - a first anchor substrate situated adjacent the first end of the first rail system which anchors the first cable adjacent its first end; and
 - a second anchor substrate situated adjacent the second end of the first rail system which anchors the first cable adjacent its first end.

2. The fence of claim 1 in which the first rail cable assembly further comprises:

a first anchor at least partially embedded in the first anchor substrate and attached to the first cable adjacent its first end; and
a second anchor at least partially embedded in the second anchor substrate and attached to the first cable adjacent its second end.

3. The fence of claim 1, in which the first plurality of posts comprises:

a first terminal post and a spaced second terminal post;
and
at least one intermediate post, each intermediate post situated between the first and second terminal posts, each intermediate post having a first cable passageway extending therethrough;
and in which the first cable is further characterized as extending through the first cable passageway of each intermediate post.

4. The fence of claim 1 in which the first plurality of posts comprises:

a first terminal post supported by the first anchor substrate;
a second terminal post, spaced from the first terminal post and supported by the second anchor substrate;
and

at least one intermediate post, each intermediate post situated between the first and second terminal posts.

5. The fence of claim 4 in which the first cable extends through the entire first rail system.

6. The fence of claim 4 in which each of the terminal posts is at least partially filed with ballast and in which the first cable is embedded within the ballast at and adjacent each of its ends.

7. The fence of claim 6 further comprising:

a first anchor attached to the first cable adjacent its first end, the first anchor situated within the first terminal post and at least partially embedded within the ballast therein; and

a second anchor attached to the first cable adjacent its second end, the second anchor situated within the second terminal post and at least partially embedded within the ballast therein.

8. The fence of claim 7 in which the first terminal post is further characterized as having a first anchor slot formed in a lateral portion thereof, the first anchor slot sized to closely but clearly receive the first anchor therethrough, and in which the second terminal post is further characterized as having a second anchor slot formed in a lateral portion thereof, the second anchor

slot sized to closely but clearly receive the second anchor therethrough.

9. The fence of claim 1, further comprising:

- a second plurality of posts;

- a second rail system supported by the second plurality of posts so as to form a barrier between each adjacent pair of the second plurality of posts, the second rail system vertically spaced from the first rail system and having a longitudinal internal recess formed therein and a first end and an opposed second end; and

- a second rail cable assembly, comprising:

- a second cable having a first end and opposed second end, the second cable extending within at least a portion of the internal recess of the second rail system;

- a third anchor substrate situated adjacent the first end of the second rail system which anchors the second cable adjacent its first end; and

- a fourth anchor substrate situated adjacent the second end of the second rail system which anchors the second cable adjacent its first end.

10. The fence of claim 9 in which the membership of the first plurality of posts is the same as the membership of the second plurality of posts, and in which the first and third anchor substrates comprise a unitary substrate, and in which the second and fourth anchor substrates comprise a unitary substrate.

11. The fence of claim 10 in which each of the intermediate posts of the first and second pluralities are each characterized by vertically spaced first and second cable passageways extending therethrough.

12. The fence of claim 9 in which the membership of the first plurality of posts overlaps, but is not the same as, the membership of the second plurality of posts.

13. The fence of claim 12 in which between 40% and about 60% of the posts belonging to the first plurality are not members of the second plurality.

14. The fence of claim 9, further comprising:

a third plurality of posts;

a third rail system supported by the third plurality of posts so as to form a barrier between each adjacent pair of the third plurality of posts, the third rail system aligned with the first rail system and having a longitudinal internal recess formed

therein and a first end and an opposed second end;
and

a third rail cable assembly, comprising:

a third cable having a first end and opposed second end, the third cable extending within at least a portion of the internal recess of the third rail system;

a fifth anchor substrate situated adjacent the first end of the third rail system which anchors the third cable adjacent its first end; and

a sixth anchor substrate situated adjacent the second end of the third rail system which anchors the second cable adjacent its first end.

15. The fence of claim 14 in which the membership of the third plurality of posts includes at least two members of the first plurality of posts, and in which the third rail system partially coincides with the first rail system.

16. The fence of claim 14 in which the membership of the first plurality of posts is the same as that of the second plurality of posts, and in which the first and third anchor substrates comprise a unitary substrate, and in which the second and fourth anchor substrates comprise a unitary substrate.

17. The fence of claim 14 in which the membership of the first plurality of posts overlaps, but is not the same as, the membership of the second plurality of posts.

18. The fence of claim 17 in which between 40% and about 60% of the posts belonging to the first plurality are not members of the second plurality.

19. The fence of claim 9 in which the memberships of the first and second pluralities of posts are not the same, with between 40% and about 60% of the posts in the first plurality not belonging to the second plurality.

20. The fence of claim 19 in which the shared membership of the first and third pluralities is limited to a single post.

21. A fence kit, comprising:

a plurality of posts;

a plurality of rails, each rail having a longitudinal internal recess formed therein within which a cable may extend;

a first cable extensible within the internal recess of each rail; and

a first pair of anchors, each anchor attachable to the first cable.

22. The kit of claim 21 in which the each of the rails is situated in a separate panel, each panel comprising plural parallel rails upon which a plurality of pickets is transversely positioned.

23. The kit of claim 21 in which the plurality of posts comprises at least one intermediate post, each intermediate post having a cable passageway extending therethrough, the cable passageway sized to permit clearing passage of the first cable.

24. The kit of claim 23 in which the each intermediate post is further characterized as having a second cable passageway, spaced from the first cable passageway, and further comprising:

a second cable extensible through the second cable passageways of the posts and within the internal recess of each rail; and

a second pair of anchors, each anchor attachable to the second cable.

25. The kit of claim 21 in which the plurality of posts comprises at least one tubular terminal post.

26. The kit of claim 25 in which the terminal post is characterized by an elongate lateral portion having a first anchor slot formed therein, the first anchor slot sized to clearingly receive one of the first pair of anchors therethrough.

27. The kit of claim 26 in which the first anchor slot is selectively closable by a slot cover.

28. The kit of claim 27 in which the slot cover has a cable opening formed therein, sized to clearingly receive all or part of the first cable.

29. The kit of claim 21 in which each anchor is characterized by a cross-sectional profile having dimensions which substantially exceed the cross-sectional dimensions of the first cable.

30. The kit of claim 29 in which the terminal post is characterized by an elongate lateral portion having a first anchor slot formed therein, the first anchor slot sized to clearingly receive one of the first pair of anchors therethrough.

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31. A tubular post having an elongate lateral portion, the lateral portion having a first anchor slot formed therein, sized to clearingly receive an anchor therethrough.

32. The post of claim 31 further comprising:

a removable first slot cover sized to overlay and cover the first anchor slot.

33. The post of claim 32 in which the first slot cover is characterized by a first cable opening formed therein, sized to clearingly receive all or part of a strengthening cable.

34. The post of claim 31 in which the lateral portion is characterized as having a second anchor slot formed therein, the second anchor slot longitudinally spaced from the first anchor slot and sized to clearingly receive an anchor therethrough.

35. A method of assembling a fence on a terrain from a first cable having a first end and an opposed second end, comprising:

vertically positioning a plurality of intermediate posts

at spaced locations;

installing a first rail system which forms a barrier

between each adjacent pair of the intermediate

posts, the first rail system having a longitudinal

internal recess formed therein; and

extending the first cable so that a medial portion

thereof extends within the internal recess of the

first rail system;

attaching a first anchor to the first cable adjacent its

first end;

attaching a second anchor to the first cable adjacent

its second end;

forming a hard substrate which surrounds at least a

portion of the first anchor; and

forming a hard substrate which surrounds at least a

portion of the second anchor.

36. The method of claim 35, in which the first rail system comprises a plurality of first rails disposed in end-to-end alignment and in which each such first rail is situated in a separate panel, each panel comprising a plurality of rails including a first rail, and a plurality of pickets, and in which

the first rail system is installed by installing a panel between each adjacent pair of intermediate posts.

37. The method of claim 35 further comprising:

vertically a first and second terminal posts on either side of the intermediate posts; and

forming a hard substrate which surrounds the lower portion of each terminal post.

and in which the first rail system is further installed so as to form a barrier between each terminal post and the adjoining intermediate post.

38. The method of claim 37 in which the hard substrate in which each anchor is embedded in the same hard substrate which surrounds the lower portion of each terminal post.

39. The method of claim 37 in which the each terminal post has a tubular configuration and the first cable is further extended so as to situate its first end and attached first anchor inside the first terminal post and so as to situate its second end and attached second anchor inside the second terminal post

40. The method of claim 39 in which the hard substrate which surrounds each anchor is formed by at least filling its corresponding terminal post with ballast.

41. The method of claim 35 in which each of the intermediate posts has a cable passageway extending therethrough, and in which the first cable is extended so as to extend through each such cable passageway.